

Semiannual Report Of UST Performance Measures Mid Fiscal Year 2013 (October 1, 2012 - March 31, 2013)

Where does EPA get the performance data?

Twice each year, EPA collects data from states and territories regarding underground storage tank (UST) performance measures and makes the data publicly available. EPA directly provides data on work in Indian country, since the Agency implements the program for those sites. This data includes information such as the number of active and closed tanks, releases reported, cleanups initiated and completed, facilities in compliance with UST requirements, and inspections. EPA compiles the data and presents it in table format for all states, territories, and Indian country.

What are the UST performance measures?

The most current definitions for the UST performance measures are available on EPA's website www.epa.gov/oust/cat/camarchv.htm under **Definitions**.

What is in the mid fiscal year (FY) 2013 report?

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How does the UST program's performance at mid FY 2013 compare with its FY 2013 goals and mid FY 2012 performance?

Mid FY 2013 UST Program Performance	Compare With FY 2013 UST Program Goal	Compare With Mid FY 2012 UST Program Performance
Completed 5,331 cleanups (including 14 in Indian country)	Complete 10,100 cleanups, including 42 in Indian country	At mid FY 2012, 5,174 cleanups (including 21 in Indian country) were completed
71.8 percent significant operational compliance rate at mid year	Achieve a significant operational compliance rate of 67 percent	At mid FY 2012, the significant operational compliance rate was 71.4 percent
Confirmed 2,974 new releases, well below the midpoint of EPA's goal to decrease confirmed releases	Decrease newly-confirmed releases to fewer than 7,715	At mid FY 2012, 2,528 new releases were confirmed

What other highlights are included in the mid FY 2013 report?

- There are 581,097 active USTs (at approximately 213,000 sites) which are regulated by EPA's UST program
- Since the 1984 inception of the UST program, 1,788,480 USTs have been closed

- Of the 510,733 releases reported since the beginning of the UST program, 430,040 (or 84 percent) have been cleaned up, leaving 80,693 remaining to be cleaned up
 - LUST Recovery Act money contributed to closing sites beginning in FY 2010 through the present and are included in the UST program's mid year cleanup totals; 2,448 sites have been closed overall using LUST Recovery Act money
- 48,741 on-site inspections at federally-regulated UST facilities were conducted between October 2012 and March 2013; of those:
 - 48,656 were conducted by states, territories, and third-party inspectors
 - 85 were conducted by EPA and credentialed tribal inspectors in Indian country

Where can I find performance data from previous years?

EPA's website www.epa.gov/oust/cat/camarchv.htm provides the most current report, as well as historical reports beginning with FY 1988, the first year reports were developed. Reports are listed beginning with the most recent first.

For more information, contact Steven McNeely, EPA's Office of Underground Storage Tanks, at mcneely.steven@epa.gov or 703-603-7164.

UST Corrective Action Measures for Mid-Year FY 2013 (Data through March 31, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Reporting Period	Cumulative		Actions This Reporting Period	Cumulative	
ONE								
CT	6,238	26,834	33	2,903	2,874	38	2,065	838
MA	10,488	24,347	13	6,332	6,303	49	6,049	283
ME	2,828	13,132	11	2,668	2,642	22	2,632	36
NH	3,022	11,768	22	2,567	2,567	28	1,912	655
RI	1,599	8,386	3	1,360	1,360	4	1,153	207
VT	3,198	5,881	3	2,054	2,042	11	1,452	602
Subtotal	27,373	90,348	85	17,884	17,788	152	15,263	2,621
TWO								
NJ	14,512	61,646	286	11,176	10,807	313	7,958	3,218
NY	24,813	97,190	163	28,829	28,791	212	27,188	1,641
PR	4,492	5,765	0	1,063	827	1	497	566
VI	143	279	0	25	24	1	17	8
Subtotal	43,960	164,880	449	41,093	40,449	527	35,660	5,433
THREE								
DC	635	3,344	4	893	878	7	795	98
DE	1,259	7,262	26	2,665	2,586	20	2,525	140
MD	8,048	35,120	76	11,842	11,668	88	11,497	345
PA	23,138	64,816	116	15,615	15,507	236	13,234	2,381
VA	18,442	61,508	58	12,107	12,030	86	11,710	397
WV	4,804	20,360	46	3,433	3,348	47	2,669	764
Subtotal	56,326	192,410	326	46,555	46,017	484	42,430	4,125

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2013 (Data through March 31, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Reporting Period	Cumulative		Actions This Reporting Period	Cumulative	
FOUR								
AL	18,138	30,364	39	11,712	11,556	46	10,435	1,277
FL	22,497	110,657	108	26,702	17,056	361	13,940	12,762
GA	29,326	49,209	119	13,083	12,857	195	11,697	1,386
KY	10,487	39,240	139	16,021	15,981	377	14,789	1,232
MS	8,285	23,478	60	7,434	7,309	47	7,087	347
NC	26,547	68,745	103	25,337	23,079	196	20,685	4,652
SC	11,814	33,111	54	9,678	9,354	111	7,203	2,475
TN	16,407	37,075	96	14,569	14,566	83	14,116	453
Subtotal	143,501	391,879	718	124,536	111,758	1,416	99,952	24,584
FIVE								
IL	20,470	67,366	137	25,566	23,944	375	20,959	4,607
IN	13,197	39,344	59	9,477	9,283	159	7,352	2,125
MI	18,644	69,678	68	22,328	21,893	130	13,367	8,961
MN	12,090	32,917	67	11,040	10,928	120	10,611	429
OH	22,227	45,021	310	29,870	29,537	311	27,580	2,290
WI	14,352	67,905	51	19,167	18,986	133	17,970	1,197
Subtotal	100,980	322,231	692	117,448	114,571	1,228	97,839	19,609

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2013 (Data through March 31, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Reporting Period	Cumulative		Actions This Reporting Period	Cumulative	
SIX								
AR	8,955	21,277	28	1,606	1,315	18	1,314	292
LA	11,390	33,917	60	4,613	4,613	217	3,881	732
NM	3,797	12,746	5	2,588	2,314	15	1,746	842
OK	10,244	27,287	35	4,981	4,967	48	4,584	397
TX	51,114	118,674	137	26,723	25,793	146	24,943	1,780
Subtotal	85,500	213,901	265	40,511	39,002	444	36,468	4,043
SEVEN								
IA	6,852	23,163	28	6,178	6,063	53	5,100	1,078
KS	6,636	20,722	28	5,079	4,954	31	3,719	1,360
MO	9,229	31,313	48	6,785	6,771	54	5,857	928
NE	6,608	14,894	35	6,325	5,174	67	4,876	1,449
Subtotal	29,325	90,092	139	24,367	22,962	205	19,552	4,815
EIGHT								
CO	7,522	22,310	62	7,881	7,607	101	7,189	692
MT	3,152	12,942	5	2,993	2,850	23	2,048	945
ND	2,249	7,401	3	863	852	1	825	38
SD	2,911	7,164	8	2,662	2,533	14	2,510	152
UT	3,758	13,542	28	4,716	4,629	40	4,323	393
WY	1,791	7,959	3	2,628	2,191	35	1,597	1,031
Subtotal	21,383	71,318	109	21,743	20,662	214	18,492	3,251

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2013 (Data through March 31, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Reporting Period	Cumulative		Actions This Reporting Period	Cumulative	
NINE								
AS	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹
AZ	6,959	21,249	23	8,689	8,199	64	7,958	731
CA	37,295	130,014	40	43,993	41,182	442	36,677	7,316
GU	258	452	0	139	139	1	118	21
HI	1,583	5,467	2	2,046	2,017	10	1,906	140
MP	67	29	0	11	10	0	10	1
NV	3,785	7,412	4	2,509	2,509	16	2,352	157
Subtotal	49,947	164,623	69	57,387	54,056	533	49,021	8,366
TEN								
AK	1,028	6,657	12	2,363	2,341	16	1,986	377
ID	3,323	10,904	4	1,467	1,443	8	1,348	119
OR	5,752	26,345	22	7,343	7,183	51	6,412	931
WA	10,110	36,562	84	6,681	6,276	39	4,564	2,117
Subtotal	20,213	80,468	122	17,854	17,243	114	14,310	3,544

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

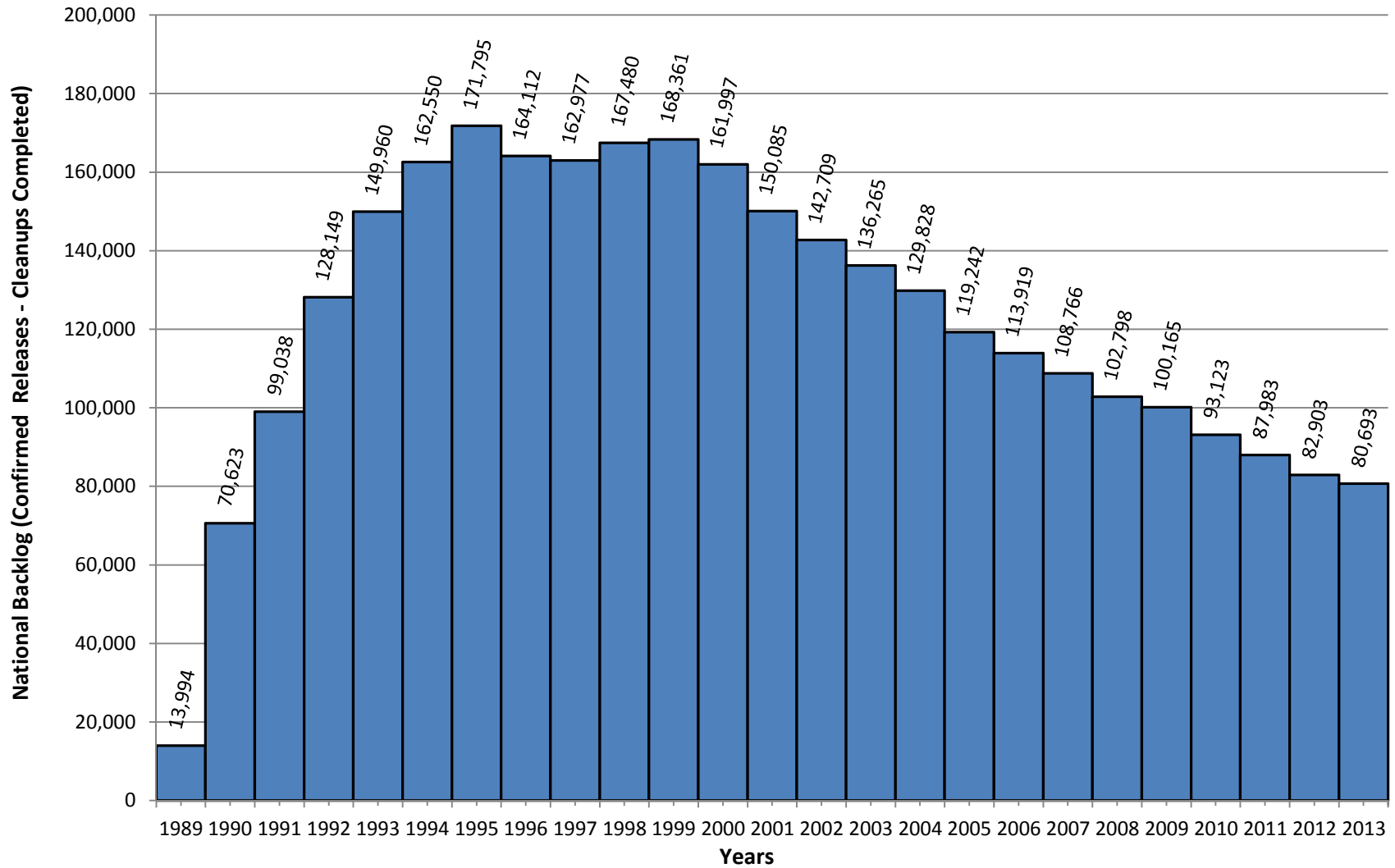
¹ DNA = Data Not Available.

UST Corrective Action Measures for Mid-Year FY 2013 (Data through March 31, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining	
			Actions This Reporting Period	Cumulative		Actions This Reporting Period	Cumulative		
REGIONAL CORRECTIVE ACTIONS FOR INDIAN COUNTRY									
REGION 1	13	5	0	1	1	0	1	0	
REGION 2	160	28	0	6	5	0	5	1	
REGION 3	0	0	0	0	0	0	0	0	
REGION 4	62	64	0	14	14	0	13	1	
REGION 5	477	1,027	0	238	223	2	172	66	
REGION 6	302	287	0	64	63	2	62	2	
REGION 7	80	96	0	21	21	0	13	8	
REGION 8	532	2,136	0	539	526	3	397	142	
REGION 9	586	1,509	0	292	222	6	220	72	
REGION 10	377	1,178	0	180	177	1	170	10	
SUBTOTAL	2,589	6,330	0	1,355	1,252	14	1,053	302	
	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining	
			Actions This Reporting Period	Cumulative		Actions This Reporting Period	Cumulative		
			NATIONAL TOTAL			581,097	1,788,480		2,974

Definitions of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

**UST National Backlog:
FY 1989 Through Mid-Year
FY 2013**



**UST Compliance Measures
for Mid-Year FY 2013 (October 1, 2012 - March 31, 2013)**

Region / State	% in Significant Operational Compliance with Release Prevention Regulations	% in Significant Operational Compliance with Release Detection Regulations	% of UST Facilities in SOC w/UST Release Detection and Release Prevention
ONE			
CT ¹	83%	79%	73%
MA	91%	35%	33%
ME	67%	65%	63%
NH	66%	72%	47%
RI ¹	87%	71%	67%
VT ¹	83%	84%	76%
SUBTOTAL	83%	60%	54%
TWO			
NJ	95%	96%	92%
NY	87%	76%	71%
PR	34%	20%	15%
VI	92%	83%	75%
SUBTOTAL	84%	77%	73%
THREE			
DC	94%	90%	86%
DE	81%	89%	78%
MD	75%	90%	70%
PA	92%	88%	82%
VA	85%	74%	67%
WV	80%	74%	65%
SUBTOTAL	86%	83%	74%

Region / State	% in Significant Operational Compliance with Release Prevention Regulations	% in Significant Operational Compliance with Release Detection Regulations	% of UST Facilities in SOC w/UST Release Detection and Release Prevention
FOUR			
AL	91%	78%	75%
FL	98%	75%	74%
GA	80%	70%	65%
KY	77%	80%	66%
MS	83%	81%	74%
NC	85%	80%	76%
SC	85%	85%	80%
TN	88%	87%	80%
SUBTOTAL	86%	78%	73%
FIVE			
IL ¹	78%	71%	60%
IN	82%	92%	79%
MI ¹	84%	60%	55%
MN	84%	84%	79%
OH	88%	74%	69%
WI ¹	90%	85%	79%
SUBTOTAL	84%	76%	69%
SIX			
AR	68%	73%	55%
LA	84%	81%	75%
NM	78%	81%	69%
OK	82%	84%	74%
TX	92%	85%	83%
SUBTOTAL	87%	83%	77%

These compliance rates indicate the percent of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 10/1/12 through 3/30/13. According to EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. States identified with footnote¹ indicated they had done so, as described on pages 9 and 10. Furthermore, states have different approaches to targeting inspections. For example, some states focus inspections on suspected non-compliant facilities, while other states conduct random inspections.

¹ States reporting based on requirements more stringent than the federal SOC requirements

**UST Compliance Measures
for Mid-Year FY 2013 (October 1, 2012 - March 31, 2013)**

Region / State	% in Significant Operational Compliance with Release Prevention Regulations	% in Significant Operational Compliance with Release Detection Regulations	% of UST Facilities in SOC w/UST Release Detection and Release Prevention
SEVEN			
IA	79%	89%	75%
KS ¹	60%	92%	57%
MO ¹	78%	94%	75%
NE	82%	73%	65%
SUBTOTAL	75%	88%	69%
EIGHT			
CO	90%	79%	78%
MT	98%	97%	96%
ND	84%	88%	77%
SD	75%	78%	64%
UT	93%	86%	83%
WY	98%	97%	96%
SUBTOTAL	90%	85%	81%
NINE			
AS	DNA ²	DNA ²	DNA ²
AZ	90%	92%	85%
CA	87%	75%	68%
GU	88%	88%	80%
HI	99%	96%	95%
MP	100%	18%	18%
NV	79%	74%	64%
SUBTOTAL	87%	78%	71%

Region / State	% in Significant Operational Compliance with Release Prevention Regulations	% in Significant Operational Compliance with Release Detection Regulations	% of UST Facilities in SOC w/UST Release Detection and Release Prevention
TEN			
AK	80%	77%	69%
ID ¹	87%	68%	60%
OR	92%	90%	85%
WA	83%	74%	64%
SUBTOTAL	86%	78%	70%
INDIAN COUNTRY			
REGION 1	DNA ²	DNA ²	DNA ²
REGION 2	DNA ²	DNA ²	DNA ²
REGION 3	N/A ³	N/A ³	N/A ³
REGION 4	100%	0%	0%
REGION 5	96%	76%	76%
REGION 6	97%	89%	89%
REGION 7	100%	75%	75%
REGION 8	89%	92%	81%
REGION 9	91%	70%	61%
REGION 10	84%	82%	80%
SUBTOTAL	92%	79%	74%
NATIONAL TOTAL			
TOTAL	85.4%	78.8%	71.8%

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 10/1/12 through 3/30/13. According to EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. States identified with footnote¹ indicated they had done so, as described on pages 9 and 10. Furthermore, states have different approaches to targeting inspections. For example, some states focus inspections on suspected non-compliant facilities, while other states conduct random inspections.

¹ States reporting based on requirements more stringent than the federal SOC requirements.

² DNA = Data Not Available. For Indian Country in Regions 1 and 2, no inspections were performed this reporting period.

³ N/A = Not Applicable. EPA Region 3 does not have any federally recognized tribes.

States With Requirements More Stringent Than The Federal Significant Operational Compliance Requirements

CONNECTICUT

Release Prevention: Operation and Maintenance of Cathodic Protection

- Lining not allowed.

Release Detection: Testing

- Tanks and piping require weekly and monthly monitoring for releases and records must be available (for 2 of the most recent consecutive months and for 8 of the last 12 months).
- Statistical Inventory Reconciliation (SIR) not allowed as a stand-alone method.

IDAHO

Release Prevention: Operation and Maintenance of Cathodic Protection

- Three 60-day rectifier inspection checks are required.
- Two three-year system checks are required for impressed current and galvanic.

Release Detection: Testing

- Records required for the past 12 months.

Other

- Percent of UST facilities in compliance with both release detection and release prevention also factors in financial responsibility and EPCRA requirements, such as operator training and secondary containment.

ILLINOIS

Release Detection: Testing

- Owner/operator must produce records within 30 minutes of arrival of inspector.

KANSAS

Release Prevention: Spill Prevention

- Owners/operators cannot have debris or water in the spill bucket.

Release Prevention: Cathodic Protection

- Owner/operator must ensure that the cathodic protection rectifier log is available at the time of inspection.

MICHIGAN

Release Detection: Required Methods

- Owners/operators must have inventory control plus another method of release detection.

MISSOURI

Release Prevention: Cathodic Protection

- All metal components in contact with any electrolyte must be cathodically protected.

RHODE ISLAND

Release Prevention: Operation and Maintenance

- All tanks and piping are required to be tightness tested after a repair. No exemptions.

Release Prevention: Operation and Maintenance of Cathodic Protection

- Impressed current cathodic protection systems are required to be tested every 2 years.
- Sacrificial anode systems are required to be tested every 3 years.

Release Detection: Testing

- Records required for the past 36 months.
- Inventory control is required for all tanks (single-walled and double-walled).
- The automatic tank gauge (ATG) has to be checked monthly and have an annual test conducted.
- Tightness testing schedule is different than the federal requirement; it depends on the type of tank.
 - o Tank tightness must be performed on all single walled tanks.
 - o Tightness tests must be performed every 5 years after the installation of the ATG until the tank has been installed for 20 years and every 2 years thereafter.

- o UST systems upgraded with interior lining and/or cathodic protections are not required to have an ATG for 10 years after the upgrade. Tank tightness testing must be conducted annually during these 10 years. After 10 years, an ATG is required and tank tightness testing must be performed every 5 years until the tank has been installed for 20 years and then every 2 years thereafter. The results of all tightness tests shall be maintained for 3 years beyond the life of the facility.
- Groundwater or vapor monitoring not accepted as a method of leak detection.
- SIR not accepted.

VERMONT

Release Prevention: Operation and Maintenance of Cathodic Protection

- Lining not allowed unless with impressed current.

Release Detection: Method Presence and Performance Requirements

- Weekly monitoring required for tank and piping. Records must be available for the two most recent consecutive months and for 8 of the last 12 months.

Release Detection: Testing

- Inventory control /Tank Tightness Testing (TTT) not allowed as a release detection method after 6/30/98.
- Manual Tank Gauge (MTG) allowed alone up to 550 gallons; 551-1,000 gallons, MTG with annual TTT.

WISCONSIN

Release Prevention: Operation and Maintenance of Cathodic Protection

- Require annual cathodic protection test.

Release Prevention: Spill Prevention

- Require USTs to be equipped with overfill prevention equipment that will operate as follows (NFPA 30-2.6.1.4 – 2000 and 2003 version):
 - o Automatically shut off the flow of liquid into the tank when the tank is no more than 95% full;
 - o Alert the transfer operator when the tank is no more than 90% full by restricting the flow of liquid into the tank or triggering the high-level alarm; and,
 - o Other methods approved by the authority having jurisdiction.

Release Detection: Testing

- Require NFPA 30A09.2.1 (2000 and 2003 versions). Accurate daily inventory records shall be maintained and reconciled for all liquid fuel storage tanks for indication of possible leakage from tanks or piping. The records shall be kept on the premises or shall be made available to the authority having jurisdiction for the inspection within 24 hours of a written or verbal request. The records shall include, as a minimum and by product, daily reconciliation between sales, use, receipts, and inventory on hand. If there is more than one storage system serving an individual pump or dispensing device for any product, the reconciliation shall be maintained separately for each system.

Release Detection: Deferment

- No exclusion or deferment for "remote" emergency generator tanks.

Other

- Require annual permit to operate that includes verification of financial responsibility.

**Inspection/Delivery Prohibition Actions
for Mid-Year FY 2013 (October 1, 2012 - March 31, 2013)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
ONE		
CT	586	3
MA	810	0
ME	371	0
NH	211	0
RI	92	1
VT	89	0
SUBTOTAL	2,159	4
TWO		
NJ	554	36
NY	1,367	0
PR	134	0
VI	12	0
SUBTOTAL	2,067	36
THREE		
DC	46	0
DE	92	2
MD	466	12
PA	1,608	13
VA	1,003	1
WV	199	2
SUBTOTAL	3,414	30

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
FOUR		
AL	1,655	89
FL	2,981	0
GA	1,379	1,379
KY	940	71
MS	435	31
NC	1,583	48
SC	1,844	148
TN	1,488	38
SUBTOTAL	12,305	1,804
FIVE		
IL	1,353	328
IN	664	1
MI	784	76
MN	455	22
OH	1,496	0
WI	1,426	32
SUBTOTAL	6,178	459
SIX		
AR	520	47
LA	771	4
NM	294	0
OK	1,543	23
TX	7,565	1,748
SUBTOTAL	10,693	1,822

Not all states fully implement delivery prohibition at this time, and some states prohibit deliveries primarily for registration violations.

¹ DNA = Data Not Available.

**Inspection/Delivery Prohibition Actions
for Mid-Year FY 2013 (October 1, 2012 - March 31, 2013)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
SEVEN		
IA	276	0
KS	558	9
MO	504	0
NE	326	0
SUBTOTAL	1,664	9
EIGHT		
CO	681	14
MT	203	0
ND	23	0
SD	122	0
UT	317	0
WY	280	1
SUBTOTAL	1,626	15
NINE		
AS	DNA	DNA
AZ	431	1
CA	6,279	67
GU	50	0
HI	173	0
MP	11	0
NV	453	21
SUBTOTAL	7,397	89

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
TEN		
AK	58	7
ID	134	0
OR	315	29
WA	646	0
SUBTOTAL	1,153	36
INDIAN COUNTRY		
REGION 1	0	0
REGION 2	0	0
REGION 3	N/A ²	N/A ²
REGION 4	3	0
REGION 5	28	0
REGION 6	7	0
REGION 7	0	0
REGION 8	0	0
REGION 9	45	0
REGION 10	2	0
SUBTOTAL	85	0
NATIONAL TOTAL		
TOTAL	48,741	4,304

Not all states fully implement delivery prohibition at this time, and some states prohibit deliveries primarily for registration violations.

¹ DNA = Data Not Available.

² N/A = Not Applicable. EPA Region 3 does not have any federally recognized tribes.